

Fig. 1

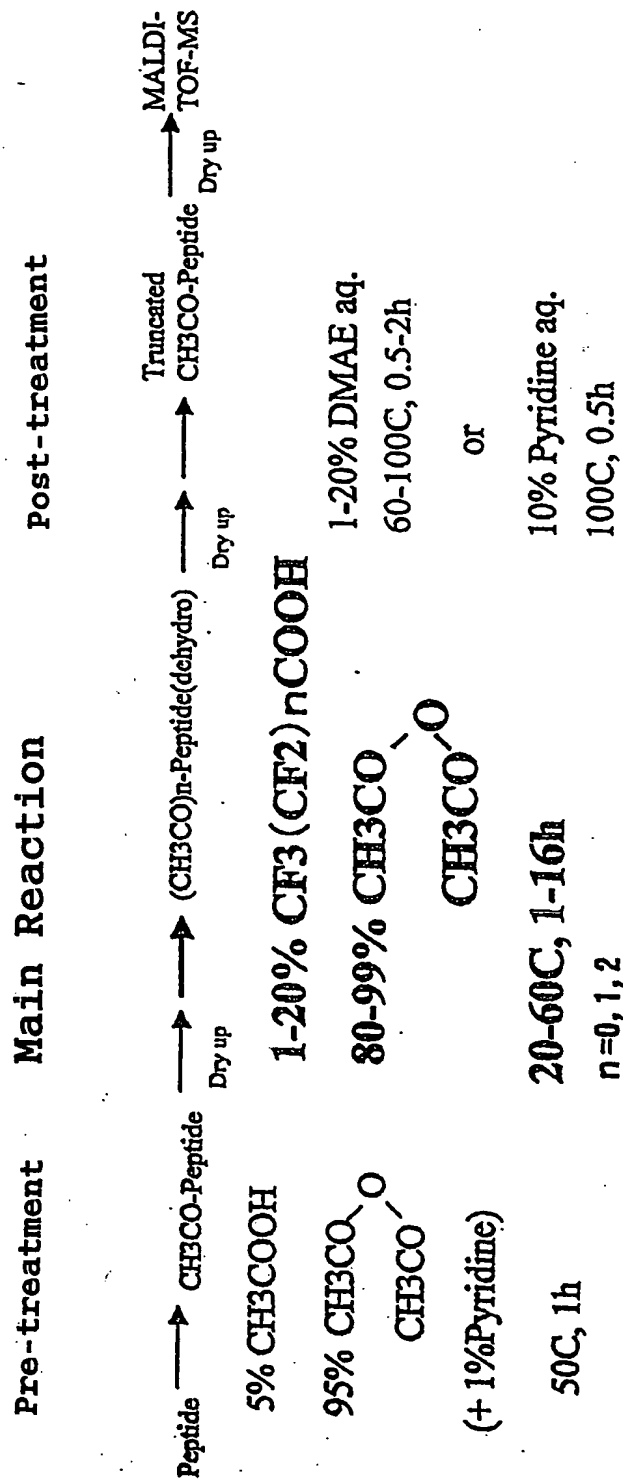


Fig. 2

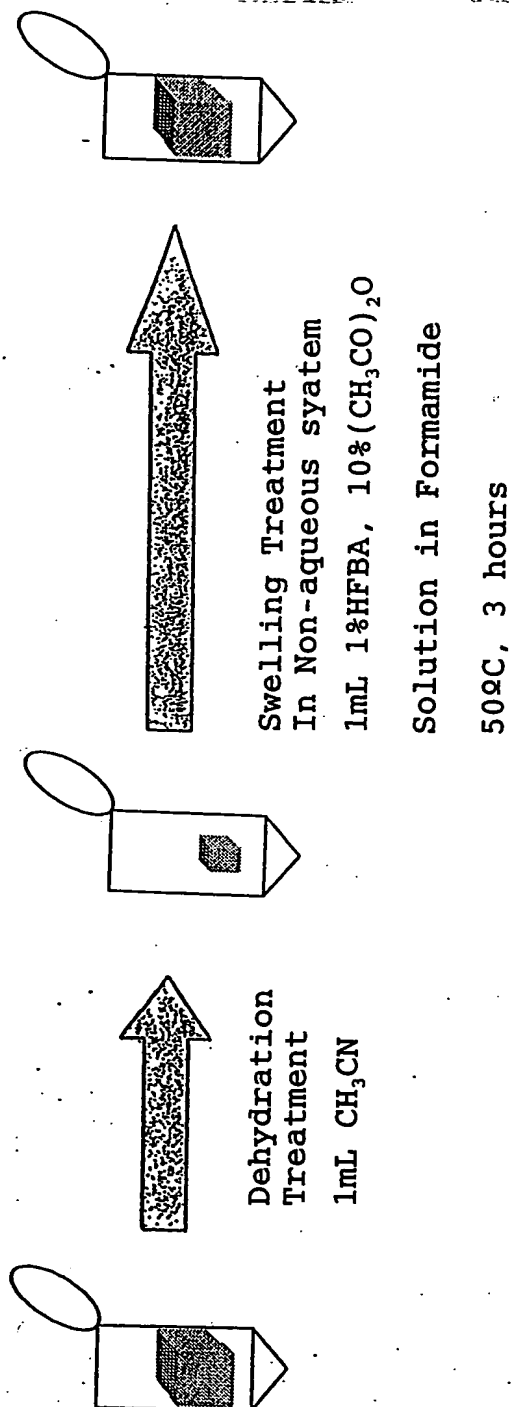
Truncation in Gel

Fig. 3

MALDI-TOF MS on positive mode

Mb, 3h in test tube

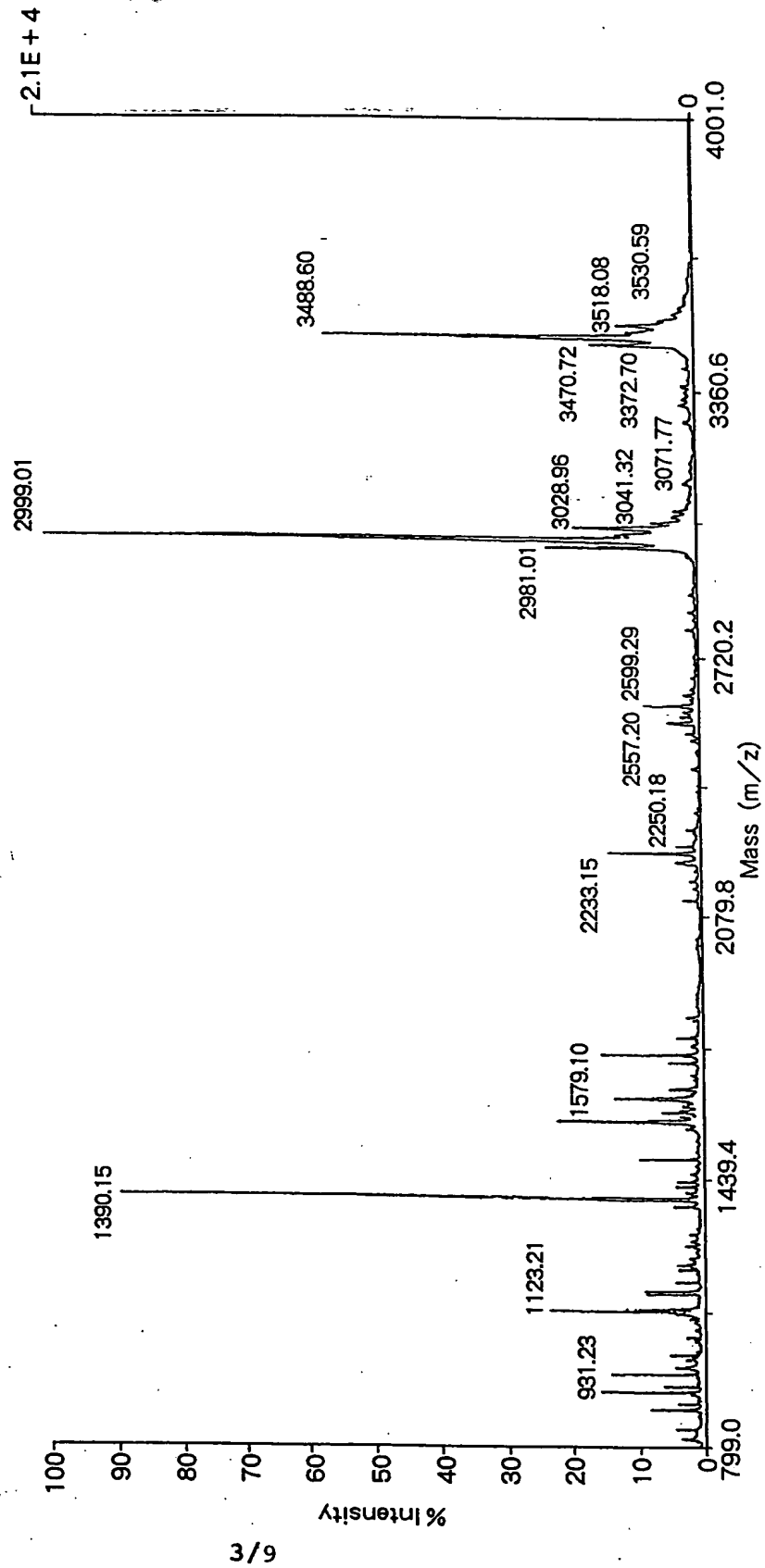
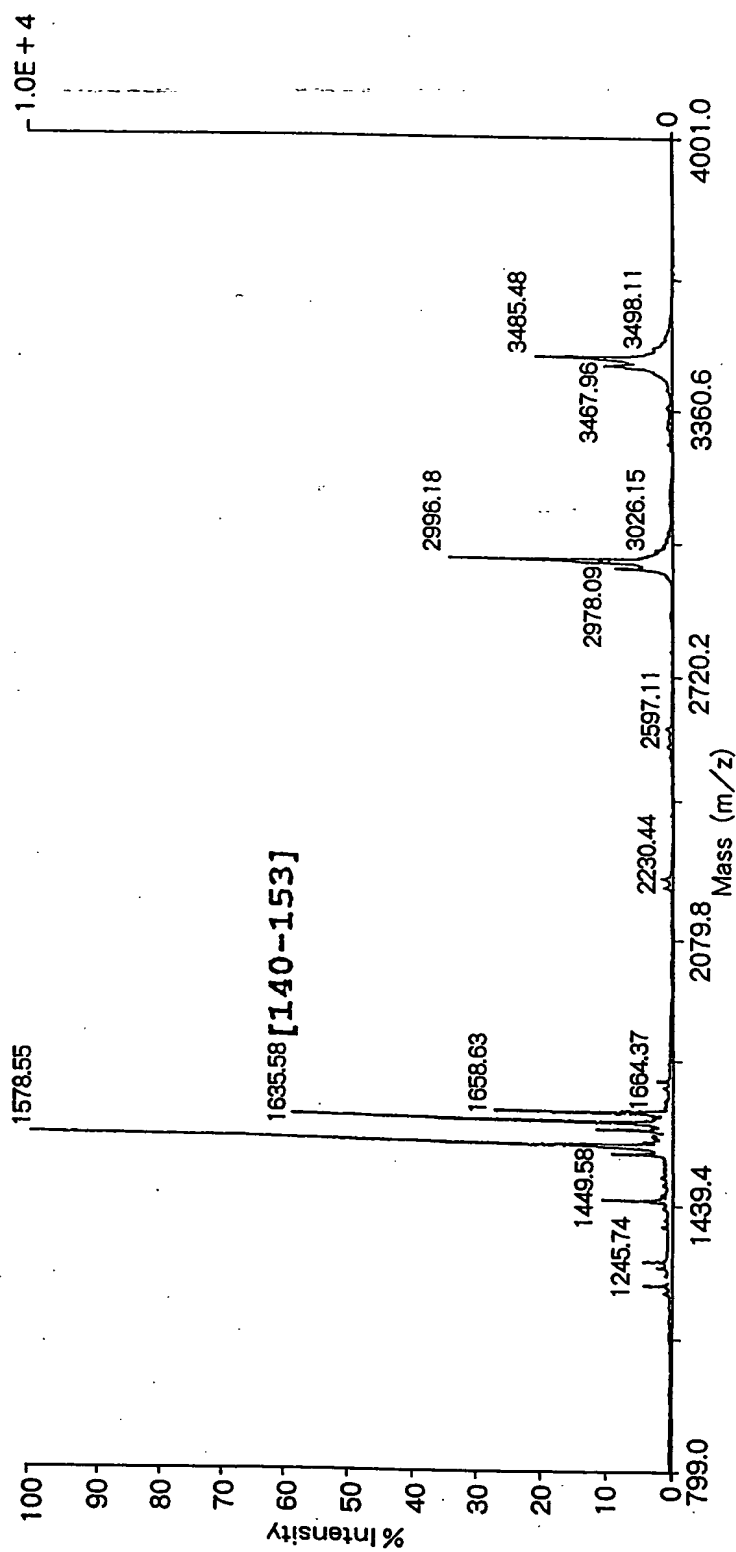


Fig. 4

MALDI-TOF MS on negative mode

Mb, 3h in test tube



Mb truncation in gel on negative mode

Fig. 5

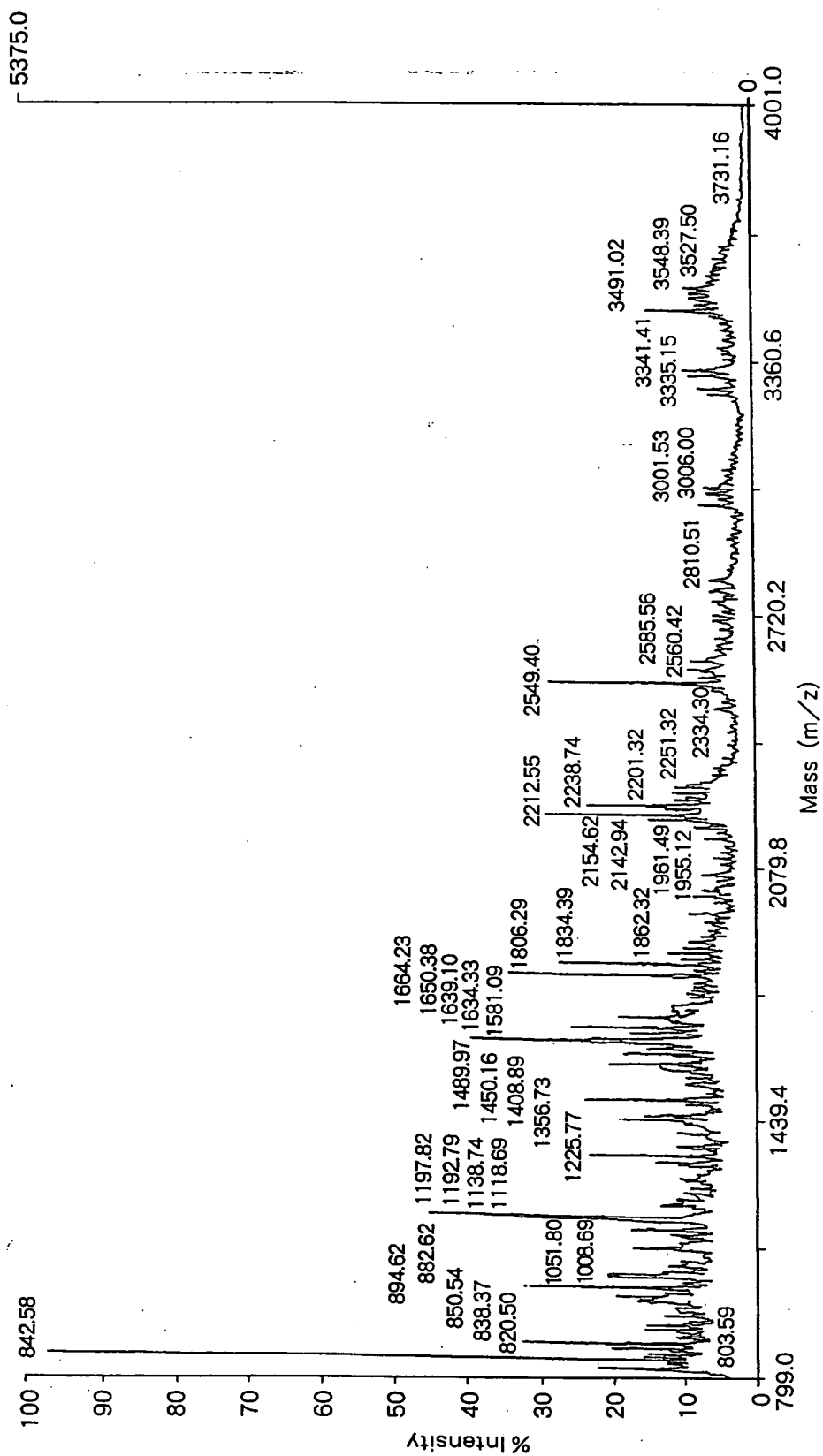


Fig. 6

Mb truncation in gel on positive mode

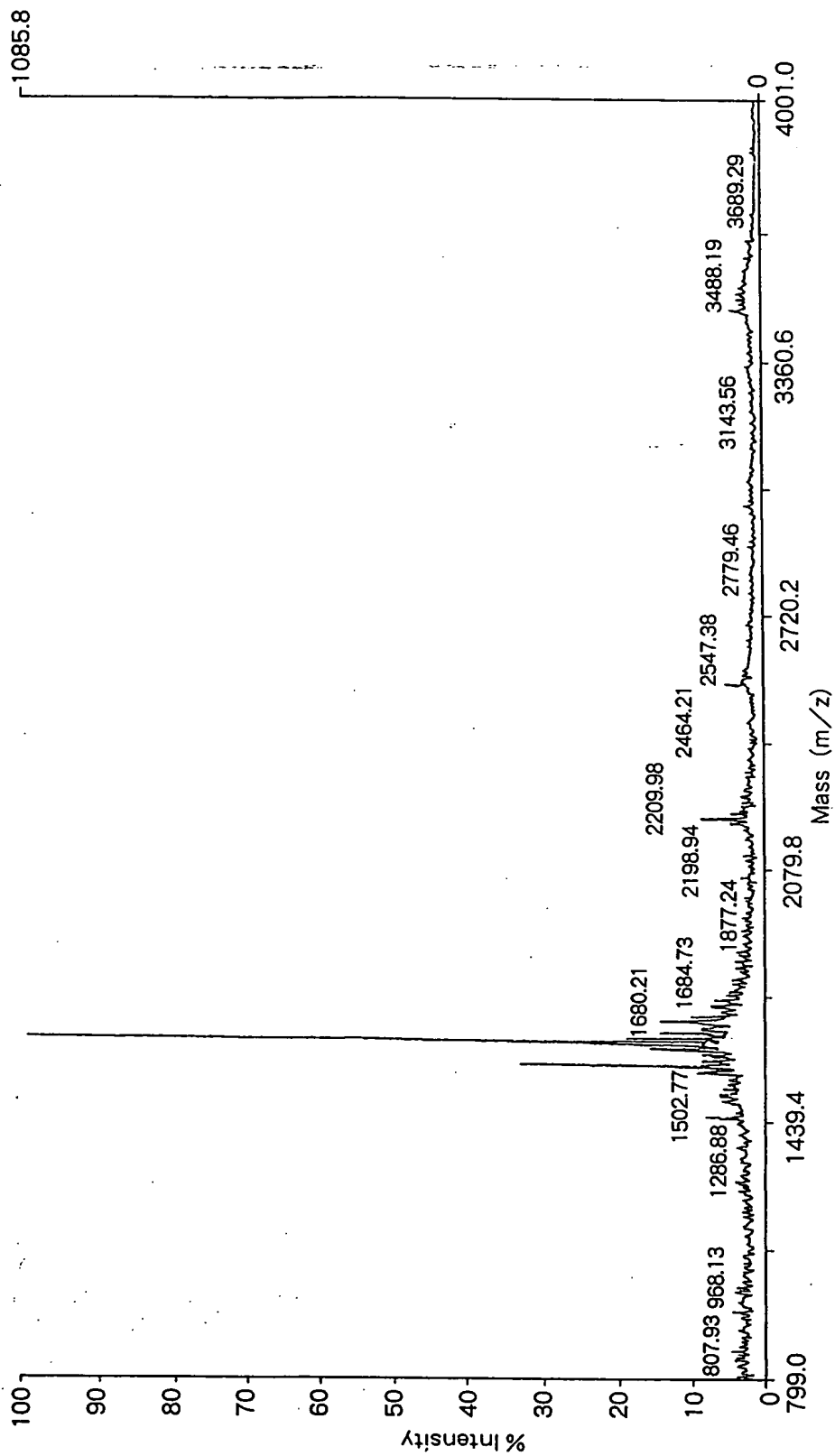


Fig. 7

myoglobin - horse.

[1 - 153] mass = 17738.180
Cleavage at R

Small polar : D(7) E(13) N(3) Q(6)
Large polar : K(19) R(2) H(11)
Small non-polar : S(5) T(7) A(15) G(15)
Large non-polar : L(17) I(9) V(7) M(2) F(7) Y(2) W(2)
Special : C(0) P(4)

K[16] + 42.04 K[42] + 42.04 K[45] + 42.04 K[47] + 42.04
K[50] + 42.04 K[56] + 42.04 K[62] + 42.04 K[63] + 42.04
K[77] + 42.04 K[78] + 42.04 K[79] + 42.04 K[87] + 42.04
K[96] + 42.04 K[98] + 42.04 K[102] + 42.04 K[118] + 42.04
K[133] + 42.04 K[145] + 42.04 K[147] + 42.04

1 GLSDGEWQQVVLNVWGVEADIAGHGQEVLI 30
31 R l f t g h p e t l e f d f h l t e a e m a s e d 60
61 l h g t v v l t a l g g i l g h h e a e l p l a 90
91 q s h a t h i p i y l e f i s d a i i h v l h s h p 120
121 g n f g a d a q g a m t a l e l f r N D I A A Y E L G 150
151 F Q G 153

(1) [1-31] = 3444.742 (2) [32-139] = 12692.649 (3) [140-153] = 1636.809

Fig. 8

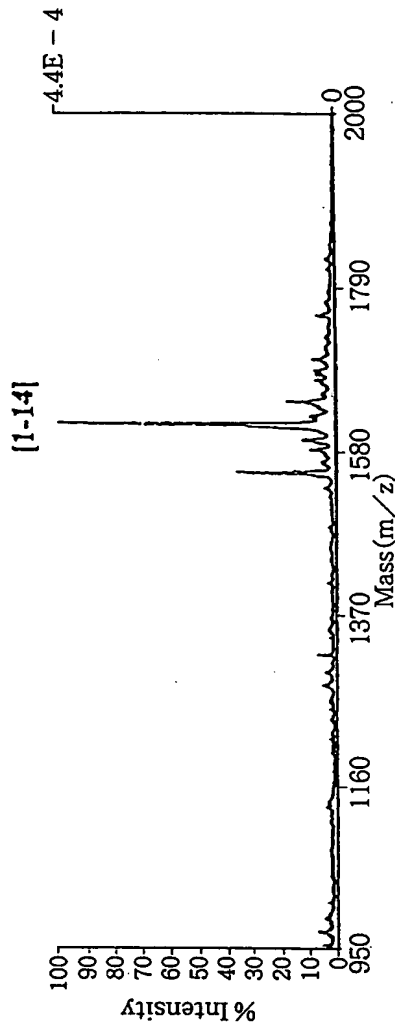
C-terminal Truncation Reaction

Sample: N-acetyl-Glu¹-Fibrino peptide

Ac-EGVNDNEEGFFSAR



Positive mode



Negative mode

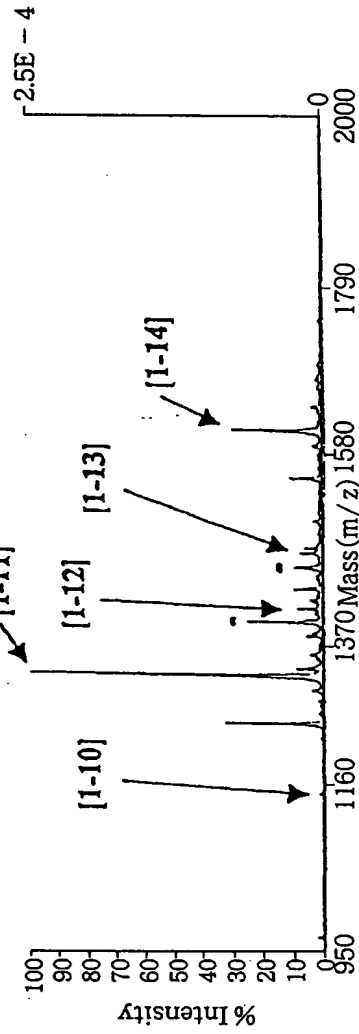


Fig. 9

List of Molecular weight (M+H)
of Fragment derived from Trypsin by Autolysis

759.4637	4860.3449
842.5100	4971.5791
906.5049	5151.3371
1006.4879	5228.5621
1045.5642	5501.8127
1469.7310	5618.6354
1736.8430	6039.8236
1768.7998	6139.8067
1869.0558	
2158.0313	
2211.1046	
2283.1807	
2457.2005	
2592.2914	
2624.3295	
2707.4168	
2950.5499	
3013.3243	
3145.5008	
3219.5124	
3309.7265	
3618.8372	
3900.8108	
4043.0040	
4133.2181	
4206.9820	
4475.2669	
4489.1168	
4596.2134	
4617.2117	
4732.2499	

note: Further peaks may be optionally observed at M+H+14 or M+H+28 which are due to methylation on Lysine residue. In addition, M+H being more than 3,500 is generally out of detectable range, but ion species from autolysis products having such a large molecular weight may be occasionally detected as ion species with $Z=2$ or 3 within the range of 3,500 or less. Thus, the peaks with $M+H > 3,500$ are also summarized in the list.